

10546440 1/08/06

10/632,044

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NEWS 7 DEC 21 IPC search and display fields enhanced in CA/Caplus with the  
IPC reform  
NEWS 8 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/  
USPAT2  
NEWS 9 JAN 13 IPC 8 searching in IFIPAT, IFIUIDB, and IFICDB  
NEWS 10 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to  
INPADOC  
NEWS 11 JAN 17 Pre-1988 INPI data added to MARPAT  
NEWS 12 JAN 17 IPC 8 in the WPI family of databases including WPIFV  
  
NEWS EXPRESS JANUARY 03 CURRENT VERSION FOR WINDOWS IS V8.01,  
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10646440 1/08/06

	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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DICTIONARY FILE UPDATES: 22 JAN 2006 HIGHEST RN 872405-17-9

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\* available and contains the CA role and document type information. \*  
\*  
\*\*\*\*\*

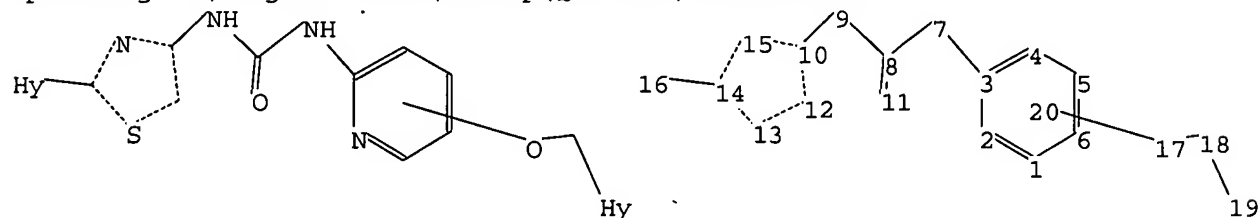
Structure search iteration limits have been increased. See HELP SLIMITS  
for details.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

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=>

Uploading C:\Program Files\Stnexp\Queries\10632044.str



chain nodes :  
7 8 9 11 16 17 18 19  
ring nodes :  
1 2 3 4 5 6 10 12 13 14 15

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chain bonds :

3-7 7-8 8-9 8-11 9-10 14-16 17-18 18-19

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-12 10-15 12-13 13-14 14-15

exact/norm bonds :

3-7 7-8 8-9 8-11 9-10 10-12 10-15 12-13 13-14 14-15 14-16 17-18 18-19

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 : 10 :

Match level :

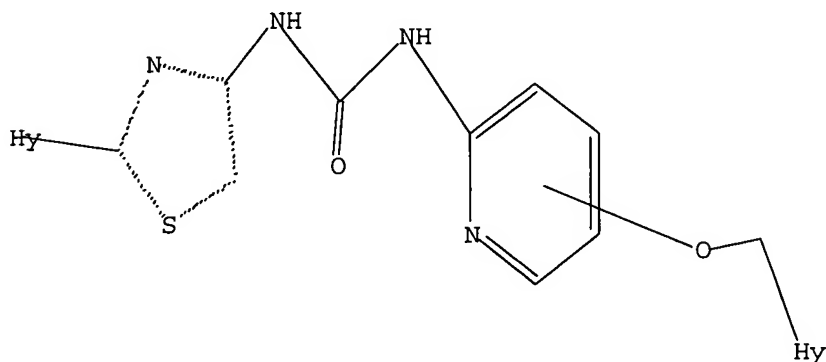
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11:CLASS 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:CLASS 18:CLASS 19:Atom  
20:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 10:22:18 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 15 TO ITERATE

100.0% PROCESSED 15 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 68 TO 532

PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s l1 full

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FULL SEARCH INITIATED 10:22:25 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 392 TO ITERATE

100.0% PROCESSED 392 ITERATIONS 15 ANSWERS  
SEARCH TIME: 00.00.04

L3 15 SEA SSS FUL L1

=> file caplus  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
167.82	168.03

FULL ESTIMATED COST

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FILE LAST UPDATED: 22 Jan 2006 (20060122/ED)

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=> s l3

L4 2 L3

=> d ibib abs hitstr tot

10646440 1/08/06

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2002:965133 CAPLUS  
 DOCUMENT NUMBER: 138:39277  
 TITLE: Preparation of N-thiazolyl-N'-pyridyl ureas as antitumor agents  
 INVENTOR(S): Askew, Benny C.; De Morin, Frenel F.; Hague, Andrew; Laber, Ellen; Li, Aiwon; Liu, Gang; Lopez, Patricia; Nomak, Rana; Santora, Vincent; Tegley, Christopher; Yang, Kevin  
 PATENT ASSIGNEE(S): Amgen, Inc., USA  
 SOURCE: U.S. Pat. Appl. Publ., 129 pp., Cont.-in-part of U. S. Ser. No. 930,753.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002193405	A1	20021219	US 2002-77124	20020215
US 6645990	B2	20031111		
US 2002173507	A1	20021121	US 2001-930753	20010814
CA 2476411	AA	20030828	CA 2003-2476411	20030213
WO 2003070727	A1	20030828	WO 2003-US4537	20030213

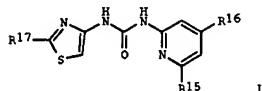
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

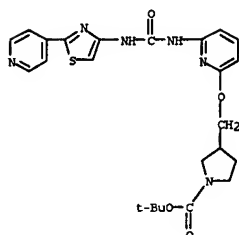
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US 2004039029 A1 20040226 US 2003-631423 20030730  
 US 2004044044 A1 20040304 US 2003-632044 20030730  
 US 2000-225793P P 20000815  
 US 2001-930753 A2 20010814  
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 WO 2003-US4537 W 20030213

PRIORITY APPLN. INFO.:  
 OTHER SOURCE(S): MARPAT 138:39277  
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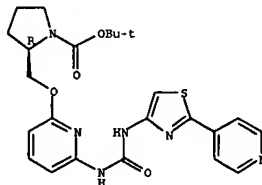


L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 478365-48-9 CAPLUS  
 CN 1-Pyrrolidinecarboxylic acid, 2-[[[6-[[[2-(4-pyridinyl)-4-thiazolyl]amino]carbonyl]amino]-2-pyridinyl]oxy]methyl]-, 1,1-dimethylethyl ester, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



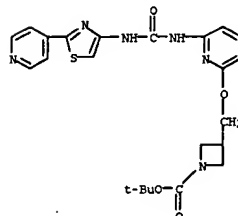
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 478365-44-5P 478365-45-6P 478365-49-0P  
 478365-57-0P 478365-60-5P 478365-72-9P  
 478365-73-0P 478365-74-1P 478365-76-3P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
 (preparation of N-thiazolyl-N'-pyridyl ureas as antitumor agents)  
 RN 400773-79-7 CAPLUS  
 CN Urea, N-[6-[[[2-(4-pyridinyl)-4-thiazolyl]amino]carbonyl]amino]-2-pyridinyl]-N'-[2-(4-pyridinyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

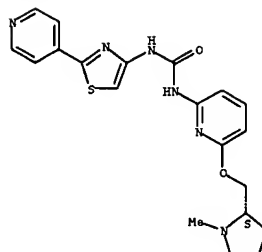
AB The title compds. [1; R15 = H, heterocyclyl, Ph, etc.; R16 = H, heterocyclylcarbonyl, alkylaminocarbonyl, etc.; R17 = halo, alkyl, cycloalkyl, etc.; provided only one of R15 and R16 = H] which are effective for prophylaxis and treatment of diseases, such as cell proliferation or apoptosis mediated diseases involving stroke, cancer and the like, were prepared. Thus, heating 2-phenyl-4-thiazolylcarbonylazide with 6-(3-methylpiperidin-1-ylmethyl)pyridin-2-ylamine in PhMe afforded the urea 1 [R15 = 3-methylpiperidin-1-ylmethyl; R16 = H; R17 = Ph] which showed cdk2/cyclin and cdk5/p25 kinase activity with IC50 of < 0.5 μM.

IT 400773-52-6P 478365-16-1P 478365-48-9P  
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of N-thiazolyl-N'-pyridyl ureas as antitumor agents)  
 RN 400773-52-6 CAPLUS  
 CN 1-Azetidinecarboxylic acid, 3-[[[6-[[[2-(4-pyridinyl)-4-thiazolyl]amino]carbonyl]amino]-2-pyridinyl]oxy]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

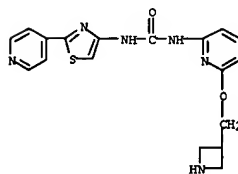


RN 478365-16-1 CAPLUS  
 CN 1-Pyrrolidinecarboxylic acid, 3-[[[6-[[[2-(4-pyridinyl)-4-thiazolyl]amino]carbonyl]amino]-2-pyridinyl]oxy]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



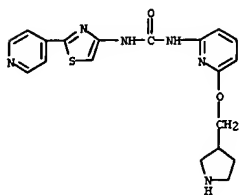
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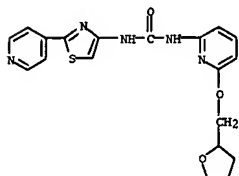
RN 478365-17-2 CAPLUS  
 CN Urea, N-[2-(4-pyridinyl)-4-thiazolyl]-N'-[6-(3-pyrrolidinylmethoxy)-2-pyridinyl]- (9CI) (CA INDEX NAME)

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L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

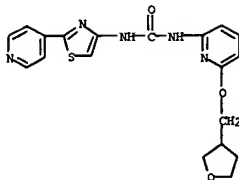


RN 478365-44-5 CAPLUS  
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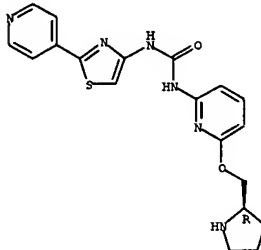
RN 478365-45-6 CAPLUS  
CN Urea, N-[2-(4-pyridinyl)-4-thiazolyl]-N'-[6-((tetrahydro-3-furanyl)methoxy)-2-pyridinyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 478365-49-0 CAPLUS  
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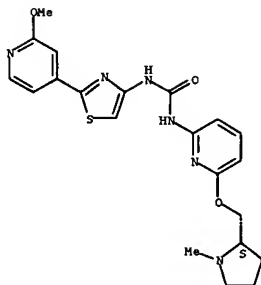
Absolute stereochemistry.



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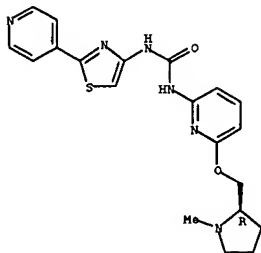
Absolute stereochemistry.

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



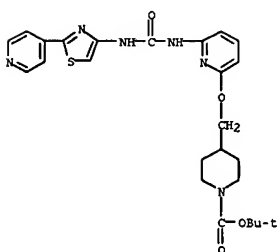
RN 478365-60-5 CAPLUS  
CN Urea, N-[6-(((2R)-1-methyl-2-pyrrolidinyl)methoxy)-2-pyridinyl]-N'-[2-(4-pyridinyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

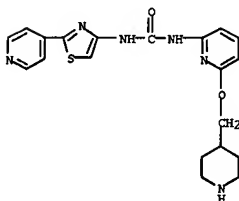


RN 478365-72-9 CAPLUS  
CN 1-Piperidinecarboxylic acid, 4-[[[6-[[[2-(4-pyridinyl)-4-thiazolyl]amino]carbonyl]amino]-2-pyridinyl]oxy]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



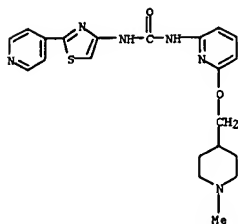
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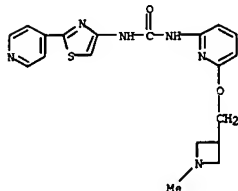
RN 478365-74-1 CAPLUS  
CN Urea, N-[6-[[1-methyl-4-piperidinyl)methoxy]-2-pyridinyl]-N'-[2-(4-pyridinyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)

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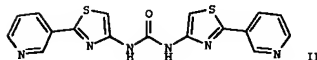
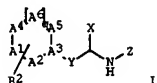
L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 478365-76-3 CAPLUS  
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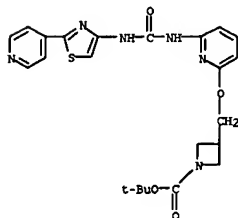
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)



AB The title compds. [I; A1-A6 = CH2, CH, C, O, S, Nh, N; X and Z taken together to form a N atom containing ring; Y = NHCO(CH2)p, CH2CO2, NHCO2CH2, NHCONR6(CH2)r; R2 = alkylaminoalkynyl, cycloalkenylalkynyl, phenylalkynyl, etc.; p = 1-2; q = 0-1; r = 0-3; R6 is not defined] which are effective for prophylaxis and treatment of diseases, such as cell proliferation or apoptosis mediated diseases involving stroke, cancer and the like, were prepared. Thus, treating 3-(3-pyridyl)-4-thiazolylcarbonylurea in PhMe with a few drops of H2O afforded the urea II which showed cdk2/cyclin and cdk5/cyclin kinase activity with IC50 of < 50 μM.

IT 400773-52-6P  
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)  
 (preparation of diheteroaryl ureas as antitumor agents)

RN 400773-52-6 CAPLUS  
 CN 1-Azetidinecarboxylic acid, 3-[[[6-[[[2-(4-pyridinyl)-4-thiazolyl]amino]carbonyl]amino]-2-pyridinyl]oxy]methyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



IT 400773-79-7P 400774-26-7P  
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

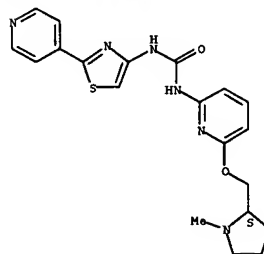
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 DOCUMENT NUMBER: 136:200177  
 TITLE: Preparation of diheteroaryl ureas as antitumor agents  
 INVENTOR(S): Santora, Vent; Askew, Benny; Ghose, Arup; Hague, Andrew; Kim, Tae Seong; Laber, Ellen; Li, Aiven; Lian, Brian; Liu, Gang; Norman, Mark Henry; Smith, Leon; Tasker, Andrew; Tegley, Christopher; Yang, Kevin  
 PATENT ASSIGNEE(S): Amgen Inc., USA  
 SOURCE: PCT Int. Appl., 371 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 2  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002014311	A2	20020221	WO 2001-US25472	20010815
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GM, GQ, GW, ML, MR, NE, SN, TD, TG				
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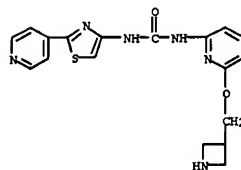
L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)  
 (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of diheteroaryl ureas as antitumor agents)  
 RN 400773-79-7 CAPLUS  
 CN Urea, N-[6-[[[(2S)-1-methyl-2-pyrrolidinyl]methoxy]-2-pyridinyl]-N'-[2-(4-pyridinyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 400774-26-7 CAPLUS  
 CN Urea, N-[6-(3-azetidinylmethoxy)-2-pyridinyl]-N'-[2-(4-pyridinyl)-4-thiazolyl]- (9CI) (CA INDEX NAME)



10646440 1/08/06

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

10.68

178.71

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-1.50

-1.50

STN INTERNATIONAL LOGOFF AT 10:23:02 ON 23 JAN 2006